

Title (en)
CARTESIAN LOOP TRANSMITTER AND METHOD OF ADJUSTING AN OUTPUT LEVEL OF SUCH TRANSMITTER

Title (de)
SENDER MIT KARTESISCHER SCHLEIFE UND VERFAHREN ZUR EINSTELLUNG EINES AUSGANGSPEGELS EINES SOLCHEN SENDERS

Title (fr)
EMETTEUR A BOUCLE CARTESIEN ET PROCEDE DE REGLAGE DU NIVEAU DE SORTIE D'UN TEL EMETTEUR

Publication
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Application
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Abstract (en)
[origin: US2007184789A1] In accordance with the present invention there is those provided a Cartesian loop transmitter having an isolator eliminator circuitry comprising a set of low pass and wide band pass as well as narrow band pass filters for each of I- and Q-channels, root mean square detectors and dividers connected to a means for comparing. Signals from said means for comparing are received by a microprocessor which controls attenuation setting. There is also provided a method of adjusting an output level of such transmitter. Said method comprises the step of generating a small signal measuring an on-channel signal level and said small signal level and then calculating a first ratio of said small signal to said on-channel signal. If said first ratio exceeds a defined threshold said attenuation setting is increased.

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H03F 1/34

IPC 8 full level
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